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Agriculture

Soil  
Conservation  
Service

Boise,  
Idaho



# Idaho Water Supply Outlook

January 1, 1987

*10/10/87*



# Foreword

## How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

## For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Denver, CO 80211
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 97102
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97208
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

# Idaho Water Supply Outlook

and

## Federal — State — Private Cooperative Snow Surveys

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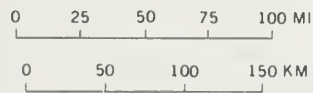
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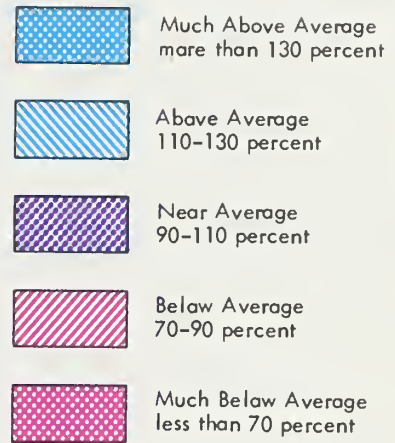




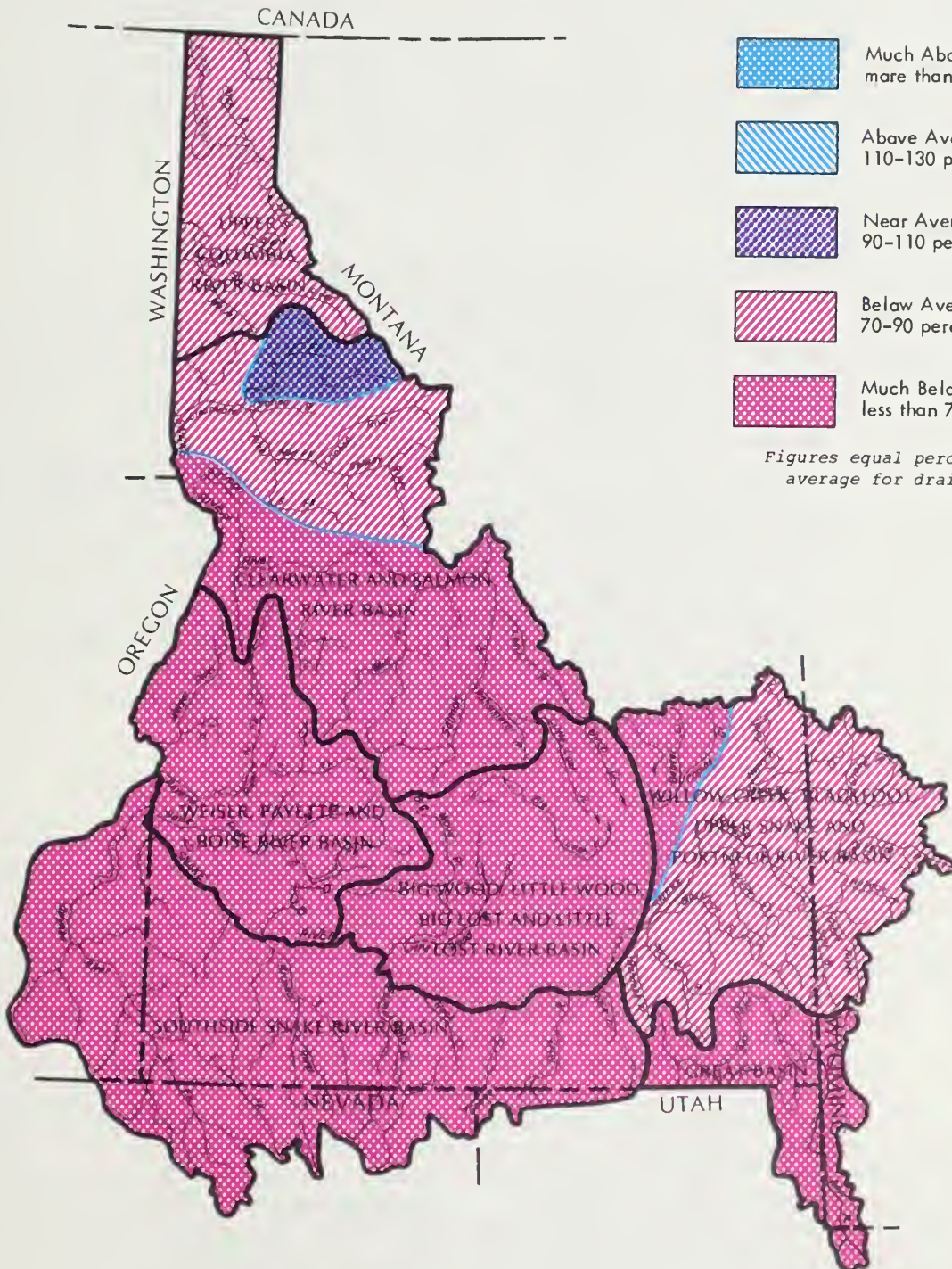
# STREAMFLOW PROSPECTS IDAHO



## LEGEND



*Figures equal percent of average for drainage.*



## GENERAL OUTLOOK

### SUMMARY:

Snow surveys taken near January 1, 1987 show much of Idaho's snowpack to be at the lowest level reported on this date since the severe drought period of 1976-77. Snowpacks in the southern two-thirds of the state are generally 50% of normal or less. The Idaho panhandle area reports 70 to 90% of normal snowpack conditions. Well above average precipitation for the remainder of the snow accumulation season will be necessary to prevent critically low streamflows in some areas this spring and summer. Water shortages in basins having reservoir storage may be offset by good to excellent carryover storage across the state.

### SNOWPACK:

Idaho's snowpack conditions as of January 1, 1987 are below to well below normal throughout the state. Snowpacks from the Salmon River drainage south are very low, ranging from only 7% of average on the Little Wood drainage to 55% of average on the North Fork of the Payette and Portneuf drainages. Most basins in the central and southwestern part of the state report snowpacks ranging from 20 to 40% of normal. Snowpacks in the eastern and southeastern part of the state generally range from 45 to 55% of normal while the Snake River basin above Jackson, Wyoming is reported at 57% of normal. Northern Idaho snowpacks are somewhat better, but remain below normal, ranging from 69% of normal on the Selway drainage to 90% on the Coeur d'Alene River basin. Most other basins in northern Idaho report 70 to 80% of normal snowpacks.

### PRECIPITATION:

In general, precipitation amounts over Idaho for the October through December period were below to well below average. October was dry across much of the state with most stations reporting between 40 and 70% of normal. In November, precipitation was generally confined to the northern third of the state where precipitation ranged from 110 to 150% of normal. The remainder of the state received below normal precipitation, ranging from 22% at Ketchum to 98% at Pocatello. December was extremely dry with some stations reporting no precipitation for the month. Again, the highest precipitation totals were reported in northern Idaho, but even there the greatest was only 37% of normal. Precipitation amounts in the central and southern part of the state ranged from



20% of average at Pocatello to no precipitation at Hollister. Temperatures for the October through December period ranged from above to slightly below normal. Most stations reported above average temperatures during October, near average in November and near or slightly below average in December.

#### RESERVOIRS:

Most reservoirs report good carryover storage as of January 1. Storage in 22 key reservoirs across the state is near normal at 99% of average with most storage levels ranging between 85 and 120% of average. A few exceptions to this are Salmon Falls Reservoir which is reporting well above normal storage at 186% and Lucky Peak and Pend Oreille Lake which are reporting well below normal storage levels of 48 and 18% respectively. Jackson Lake in Wyoming also reports well below normal storage at only 16% of average. Both Lucky Peak Reservoir and Jackson Lake have been lowered for construction purposes. Basins with good carryover storage may not be severely impacted by the anticipated low runoff conditions this spring.

#### STREAMFLOW:

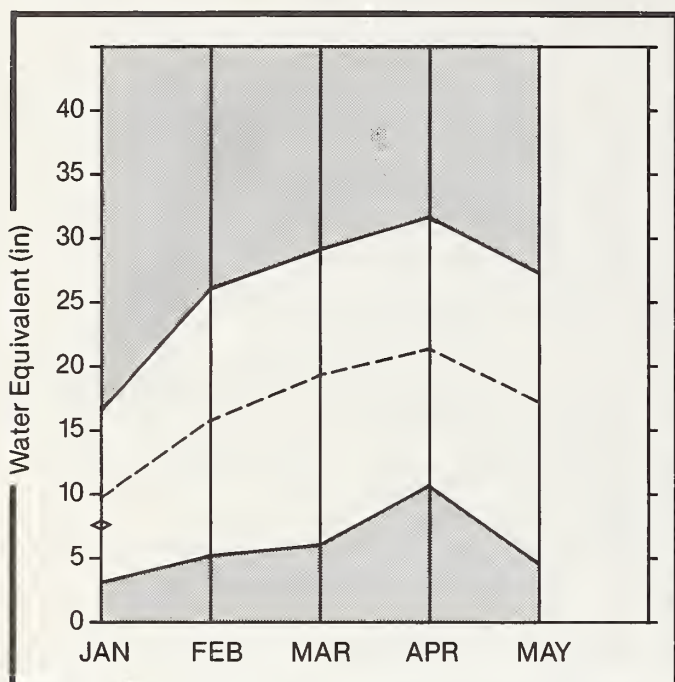
April-July seasonal volume streamflows are forecast to be below to well below normal throughout the state. Streamflows in the central, southern, and extreme southeastern parts of the state are forecast to be well below normal, ranging from 68% of average for the Salmon at Whitebird to only 44% of average on the Little Wood nr Carey and Inflow to Magic Reservoir. Forecasts on the Upper Snake River basin above Pocatello improve, but remain below normal ranging from 71% of average on the Portneuf at Topaz to 80% of average on the Snake River at Heise. In northern Idaho, from the Clearwater drainage north, streamflows are expected to be slightly below normal ranging from 82 to 85% of average. Above to much above normal precipitation will be needed across most of central and southern Idaho to avoid critically low streamflows during the upcoming irrigation season. This is particularly true on basins without reservoir storage facilities.

#### SOIL MOISTURE:

Generally speaking, soil moisture conditions are near normal in the northern third of Idaho and below to well below normal over the rest of the state. Dry soils in the southern part of the state can be expected to absorb more than the normal amount of snowmelt before the major runoff occurs this spring.

# Upper Columbia Basin

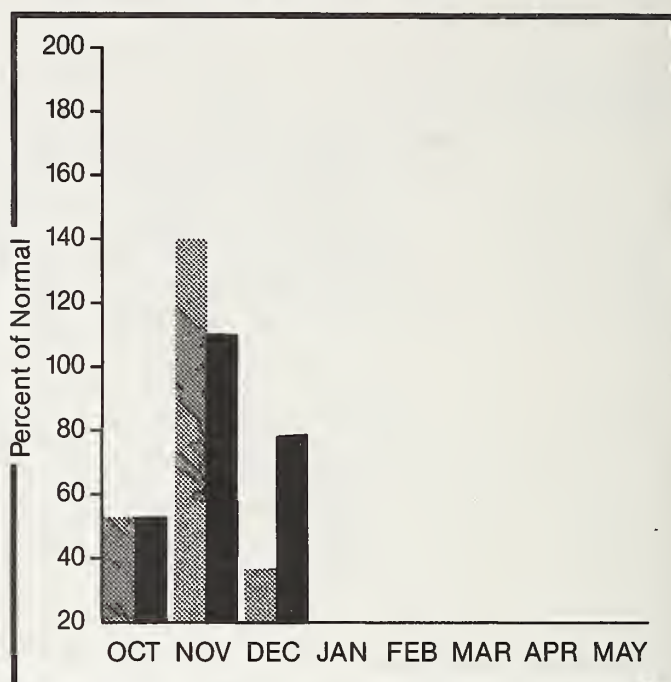
**Mountain snowpack\* (inches)**



\*Based on selected stations

Maximum Average   
Minimum Current

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

Although snowpack conditions are below normal throughout the basin, they are the highest reported in the state. Currently, snowpacks in the panhandle area range from 76% of average on the Priest River drainage to 90% on the Coeur d'Alene. April-July seasonal volume streamflows are forecast to be near or slightly below normal ranging from 82% on the Priest River at Priest River to 90% on the Coeur d'Alene River at Enaville. Reservoir carryover storages are generally reported below normal with Pend Oreille and Coeur d'Alene Lakes reporting only 18 and 65% of average storage, respectively.

For more information contact your local Soil Conservation Service office.

# UPPER COLUMBIA RIVER BASIN

## STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
KOOTENAI at Leonia 2	APR-SEP PR-JUL	8602.0 7498.0	8172.0 7080.0	95 94	10839.0 9404.0	126 125	5505.0 4756.0	64 63
CLARK FORK at White Horse Rapids 2	APR-SEP APR-JUL APR-JUN	13575.0 12351.0 10570.0	11810.0 10600.0 9196.0	87 86 87	16018.0 14429.0 12473.0	118 117 118	7602.0 6771.0 5919.0	56 55 56
PEND OREILLE LAKE inflow 2	APR-SEP APR-JUL APR-JUN	15150.0 13875.0 12010.0	12878.0 11600.0 10208.0	85 84 85	17423.0 15763.0 13811.0	115 114 115	8333.0 7438.0 6605.0	55 54 55
PRIEST RIVER at Priest 2	APR-SEP APR-JUL	885.0 832.0	735.0 682.0	83 82	1062.0 990.0	120 119	408.0 374.0	46 45
SPOKANE at Post Falls 2	APR-SEP APR-JUL	2848.0 2754.0	2478.0 2396.0	87 87	3930.0 3801.0	138 138	1026.0 991.0	36 36
ST. JOE at Calder	APR-SEP APR-JUL	1294.0 1225.1	1140.0 1066.0	88 87	1567.0 1470.0	121 120	713.0 662.0	55 54
COEUR D' ALENE at Enaville	APR-SEP APR-JUL	844.2 804.8	760.0 724.0	90 90	1207.0 1151.0	143 143	313.0 297.0	37 37

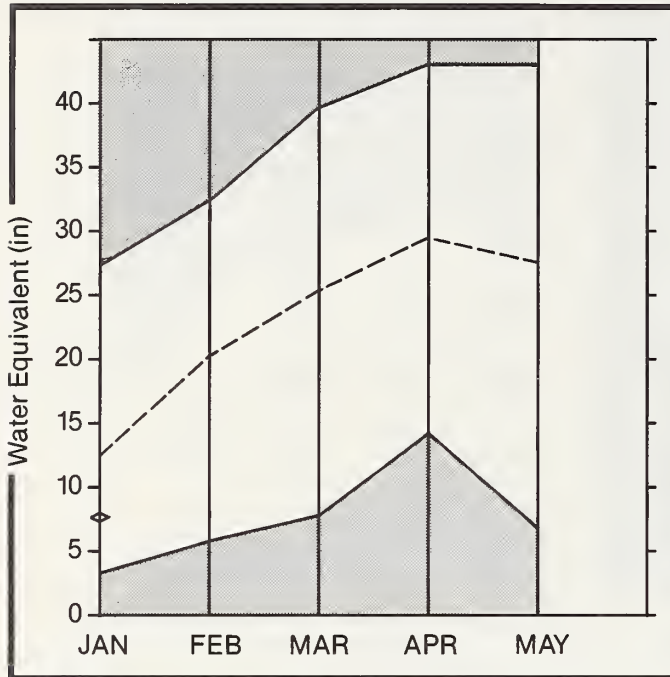
RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
HUNGRY HORSE	3451.0	2613.0	2562.0	2649.0	Kootenai ab Bonners Ferry	17	116	86
FLATHEAD LAKE	1791.0	1099.0	1354.0	1340.0	Pend Oreille River	114	106	79
PEND OREILLE	1561.2	147.2	777.2	823.1	Clark Fork River	84	110	76
NOXON RAPIDS	335.0	313.2	301.1	316.8	Priest River	5	126	78
COEUR D'ALENE	291.2	134.2	91.7	205.4	Rathdrum Creek	1	96	86
PRIEST LAKE	97.7	32.8	---	32.9	Hayden Lake	0	0	0
					Coeur d'Alene River	6	126	90
					St. Joe River	6	123	81
					Spokane River	12	124	85
					Palouse River	0	0	0

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.  
2 - Corrected for upstream diversions or changes in reservoir storage.  
The average is computed for the 1961-85 base period.



# Clearwater and Salmon River Basin

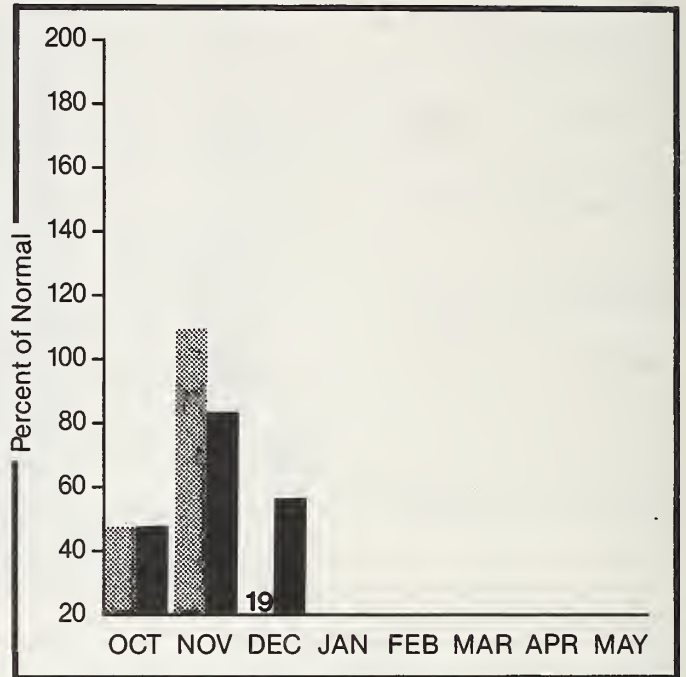
**Mountain snowpack\*** (inches)



\*Based on selected stations

Maximum Average Minimum Current

**Precipitation\*** (percent of normal)



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

In general, snowpack conditions are below to well below normal throughout the basin. Snowpacks on the Clearwater drainage range from 69 to 73% of average while snowpacks on most tributaries to the Salmon River are only 45 to 55% of normal. Above to well above normal snow accumulation will be needed on the Salmon drainage to avoid below to well below normal runoff conditions through the spring and summer. April-July seasonal volume streamflows are currently forecast to be below or well below normal, ranging from 68% on the Salmon River at Whitebird to 93% on the Inflow to Dworshak Reservoir. Soils are dry on the Salmon drainage, while soil moisture conditions are near normal on the Clearwater.

For more information contact your local Soil Conservation Service office.

# CLEARWATER AND SALMON RIVER BASIN

## STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
CLEARWATER at Orofino	APR-SEP	5185.0	4050.0	78	5761.0	111	2339.0	45
	APR-JUL	4917.0	3840.0	78	5463.0	111	2217.0	45
CLEARWATER at Spalding	APR-SEP	8460.0	7160.0	85	9275.0	110	5045.0	60
	APR-JUL	8000.0	6770.0	85	8930.0	112	4610.0	58
OWORSHAK RESERVOIR inflow	APR-SEP	2985.0	2770.0	93	3576.0	120	1964.0	66
	APR-JUL	2805.0	2600.0	93	3357.0	120	1843.0	66
SALMON at Whitebird	APR-SEP	6876.0	4680.0	68	6399.0	93	2961.0	43
	APR-JUL	6211.0	4230.0	68	5783.0	93	2677.0	43
SALMON at Salmon	APR-SEP	1053.0	720.0	68	1204.0	114	236.0	22
	APR-JUL	899.0	615.0	68	1029.0	114	201.0	22

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
OWORSHAK	3467.8	2424.5	2365.7	2198.2	North Fork Clearwater	13	110	71
					Lochsa River	4	115	73
					Selway River	2	123	69
					Clearwater River	16	113	73
					Salmon River ab Salmon	6	56	45
					Lemhi River	1	103	80
					Salmon River Total	19	68	49

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

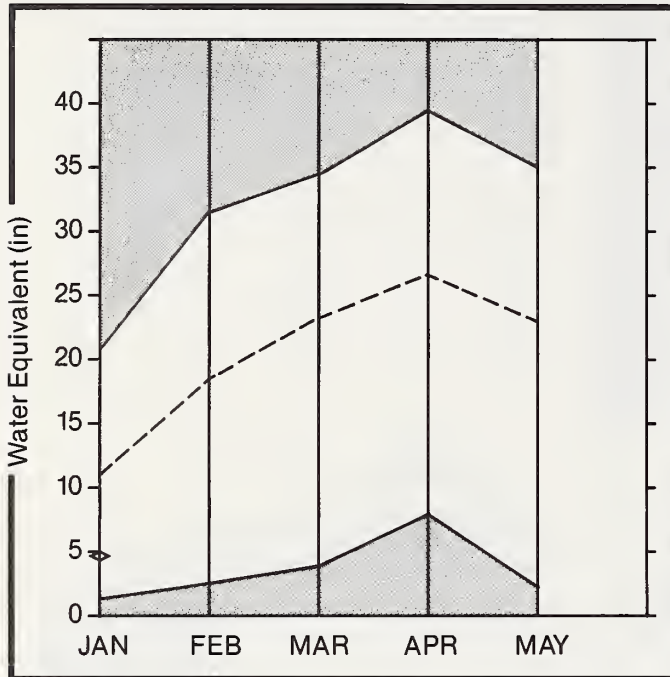
2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.



# Weiser, Payette, and Boise River Basin

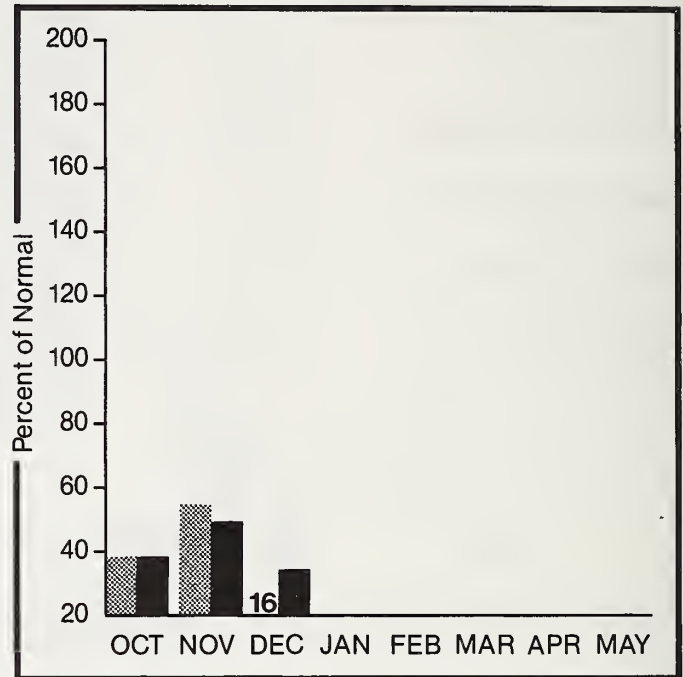
**Mountain snowpack\* (inches)**



\*Based on selected stations

Maximum Average   
Minimum Current

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

Snowpack conditions are well below normal throughout the basin, ranging from a low of only 18% of average on the Canyon Creek drainage near Mountain Home to 55% of average on the N. Fk. of the Payette River. April-July seasonal volume streamflows are expected to be well below normal with forecasts ranging from 56 to 67%. Soil moisture conditions are also below normal as a result of dry fall conditions. Reservoir carryover storage, however, is reported to be good to excellent in most reservoirs, ranging from 86 to 122% of average for January 1. One exception is Lucky Peak Reservoir which has been lowered for construction purposes and is reported at only 48% of normal.

For more information contact your local Soil Conservation Service office.

# WEISER, PAYETTE AND BOISE RIVER BASIN

## STREAMFLOW FORECASTS

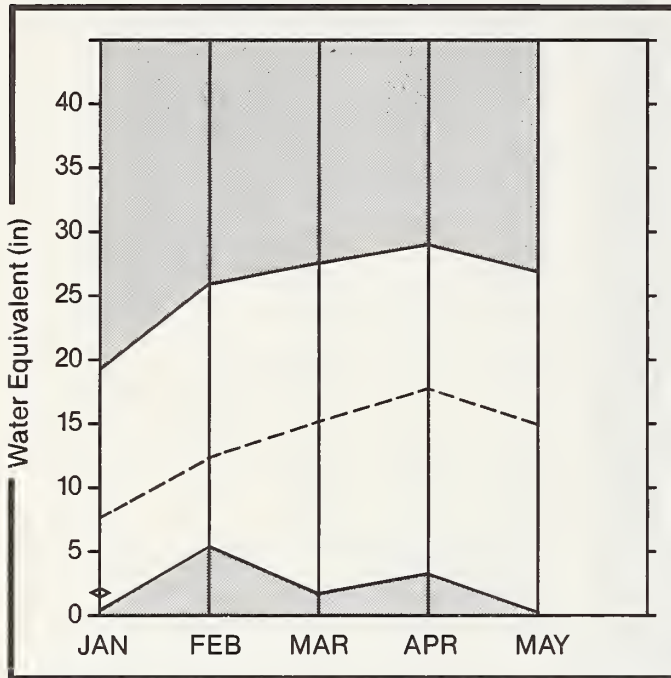
FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
WEISER nr Weiser	APR-SEP	427.0	244.0	57	440.0	103	48.0	11
	APR-JUL	399.0	225.0	56	409.0	103	41.0	10
PAYETTE nr Horseshoe	APR-SEP	1805.0	1155.0	64	1697.0	94	614.0	34
	APR-JUL	1678.0	1060.0	63	1563.0	93	557.0	33
NF PAYETTE at Cascade 2	APR-SEP	553.5	360.0	65	498.0	90	222.0	40
	APR-JUL	517.9	340.0	66	469.0	91	211.0	41
NF PAYETTE nr Banks 2	APR-SEP	712.5	484.0	68	698.0	98	270.0	38
	APR-JUL	671.5	450.0	67	651.0	97	235.0	35
SF PAYETTE at Lowman	APR-SEP	497.2	323.0	65	472.0	95	174.0	35
	APR-JUL	440.6	286.0	65	418.0	95	154.0	35
DEADWOOD RESERVOIR inflow	APR-JUL	141.0	87.0	62	128.0	91	46.0	33
BOISE RIVER nr Twin Springs 1	APR-SEP	705.5	458.0	65	726.0	103	190.0	27
	APR-JUL	650.1	416.0	64	663.0	102	169.0	26
SF BOISE at Anderson Dam 1	APR-SEP	589.6	340.0	58	546.0	93	134.0	23
	APR-JUL	551.4	309.0	56	502.0	91	116.0	21
BOISE RIVER nr Boise 1	APR-SEP	1571.5	974.0	62	1650.0	105	298.0	19
	APR-JUL	1454.4	890.0	61	1515.0	104	265.0	18
	APR-JUN	1279.5	780.0	61	1330.0	104	230.0	18

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
MANN CREEK		NO REPORT			Mann Creek	1	29	31
CASCADE	703.2	462.7	452.3	409.4	Weiser River	7	58	45
DEADWOOD	162.0	83.4	79.5	79.5	North Fork Payette	9	76	55
ANDERSON RANCH	464.2	367.3	301.3	300.6	South Fork Payette	7	56	39
ARROWROCK	286.6	193.2	191.4	223.9	Payette River Total	15	68	48
LUCKY PEAK	307.0	59.2	44.1	117.4	Middle & North Fork Boise	9	47	37
LAKE LOWELL (DEER FLAT)	177.0	129.1	139.8	131.0	South Fork Boise River	10	29	24
					Boise River Total	19	36	30
					Canyon Creek	2	16	18





1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.  
2 - Corrected for upstream diversions or changes in reservoir storage.  
The average is computed for the 1961-85 base period.

# Big Wood, Little Wood, Big Lost, and Little Lost River Basin

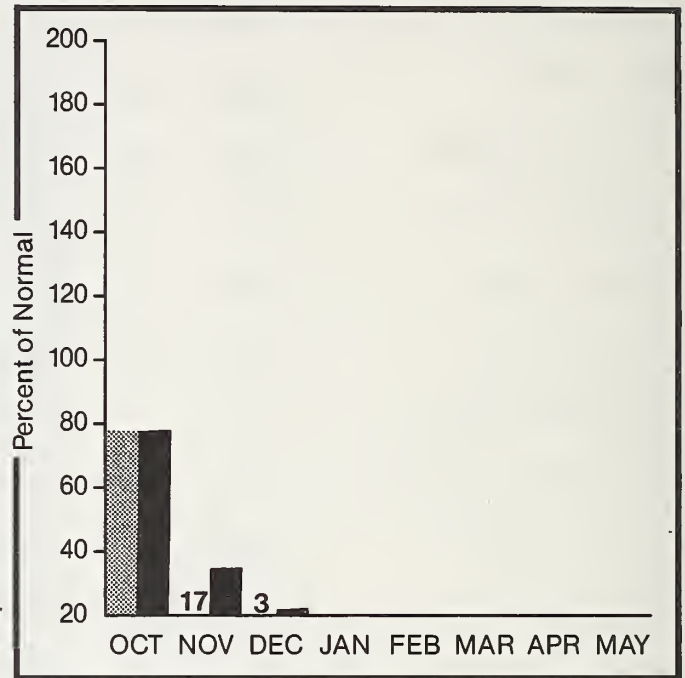
**Mountain snowpack\*** (inches)



\*Based on selected stations

Maximum  Average   
Minimum  Current 

**Precipitation\*** (percent of normal)



\*Based on selected stations

Monthly precipitation  Year to date precipitation 

## WATER SUPPLY OUTLOOK:

January 1 snowpacks are extremely low throughout the basin ranging from only 7% of normal on the Little Wood drainage to 32% on the Little Lost basin. Several low elevation snow courses reported only a trace or no snow at all. Soils are very dry and can be expected to absorb a significant amount of water when snow melt begins. Water supply forecasts for the April-July period are well below normal, ranging from 44% to 62% of average. Above to well above normal snow accumulation will be needed to avoid critically low streamflows for the coming irrigation season. Good reservoir carryover storage will help offset low streamflow conditions, with most reservoirs reporting near to slightly above normal storage levels.

For more information contact your local Soil Conservation Service office.

# BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST RIVER BASIN

## STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BIG WOOD nr Bellevue	APR-SEP	193.4	87.0	45	147.0	76	27.0	14
	APR-JUL	179.9	79.2	44	135.0	75	23.0	13
MAGIC RESERVOIR inflow	APR-SEP	307.0	137.0	45	297.0	97	15.0	5
	APR-JUL	293.0	129.0	44	281.0	96	14.0	5
LITTLE WOOD nr Carey	APR-SEP	101.0	44.0	44	79.0	78	9.0	9
	APR-JUL	93.1	40.9	44	73.0	78	8.0	9
BIG LOST at Howell Ranch	APR-SEP	211.2	127.0	60	211.0	100	43.0	20
	APR-JUL	186.2	115.0	62	189.0	102	41.0	22
	APR-JUN	144.4	91.0	63	149.0	103	33.0	23
BIG LOST nr Mackay 2	APR-SEP	183.7	113.0	61	186.0	101	40.0	22
LITTLE LOST bl Wet Ck.	APR-SEP	38.8	23.6	61	39.0	101	8.0	21
	APR-JUL	31.4	19.1	61	32.0	102	7.0	22
LITTLE LOST nr Howe	APR-SEP	42.2	26.2	62	43.0	102	9.0	21
	APR-JUL	32.6	19.5	60	33.0	101	6.0	18

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE	THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
MAGIC	191.5	108.5	85.3	92.8		Big Wood ab Magic	10	35 29
LITTLE WOOD	30.0	17.2	17.7	15.5		Camas Creek	5	11 9
CAREY VALLEY	14.4	6.4	3.4	---		Big Wood Total	14	28 24
MACKAY	44.4	27.6	20.4	30.0		Little Wood River	4	9 7
						Fish Creek	0	0 0
						Big Lost River	4	27 22
						Little Lost River	4	43 32

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

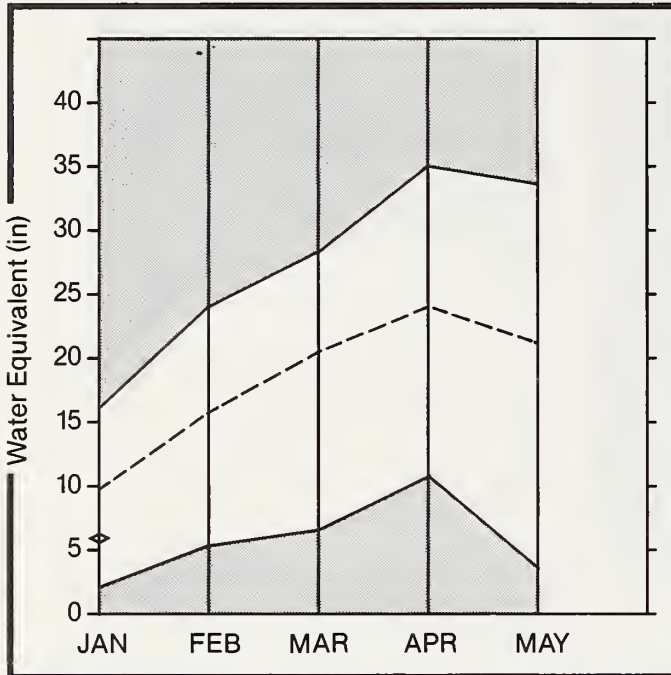
2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.



# Willow Creek, Blackfoot, Upper Snake, and Portneuf River Basin

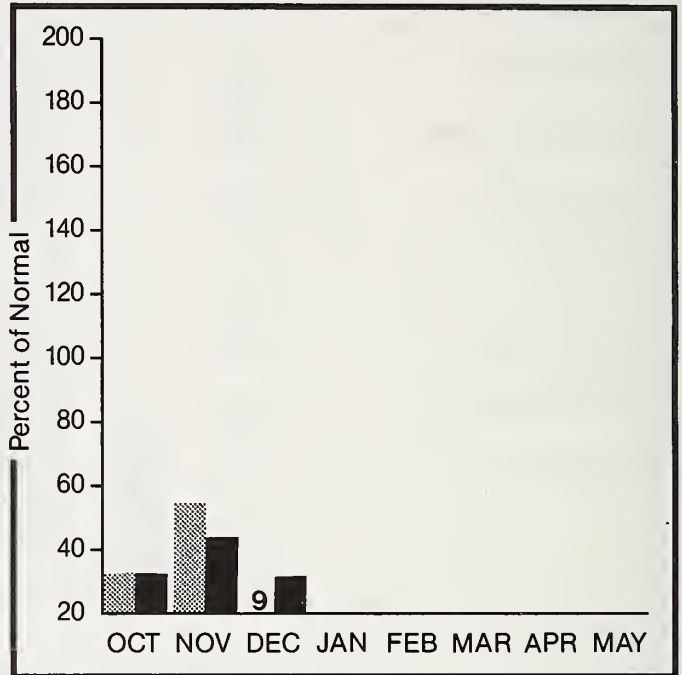
**Mountain snowpack\*** (inches)



\*Based on selected stations

Maximum ——— Average - - - - -  
Minimum ——— Current —◆—

**Precipitation\*** (percent of normal)



\*Based on selected stations

Monthly precipitation [hatched bar] Year to date precipitation [solid black bar]

## WATER SUPPLY OUTLOOK:

Snowpack conditions are well below average throughout the basin except in the extreme headwaters of the Gros Ventre River basin in Wyoming where the snowpack is near normal. Basin snow cover figures range from only 23% of average on the Beaver-Camas Creek drainage near Dubois to 57% of normal on the Snake basin near Jackson. Soil moisture conditions are also below normal over most of the basin. April-July seasonal volume streamflows are currently forecast to be below average, ranging from 72 to 80% of normal. Reservoir carryover storage is reported to be good to excellent in most reservoirs.

For more information contact your local Soil Conservation Service office.

# WILLOW CREEK, BLACKFOOT, UPPER SNAKE AND PORTNEUF RIVER BASIN

## STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
HENRY'S FORK nr Ashton 2	APR-SEP	714.1	520.0	73	620.0	87	420.0	59
	APR-JUL	529.1	386.0	73	460.0	87	312.0	59
HENRYS FORK nr Rexburg 2	APR-SEP	1474.8	1080.0	73	1449.0	98	711.0	48
	APR-JUL	1153.3	831.0	72	1119.0	97	543.0	47
FALLS RIVER nr Squirrel	APR-JUL	366.0	270.0	74	340.0	93	200.0	55
TETON RIVER ab S Leigh Ck	APR-SEP	193.9	147.0	76	186.0	96	108.0	56
	APR-JUL	145.0	109.0	75	138.0	95	80.0	55
TETON nr St. Anthony	APR-SEP	465.0	340.0	73	433.0	93	247.0	53
	APR-JUL	375.0	270.0	72	345.0	92	195.0	52
SNAKE at Moran 1	APR-SEP	880.0	705.0	80	925.0	105	485.0	55
PALISADES LAKE inflow 1	APR-SEP	3793.0	3070.0	81	4511.0	119	1629.0	43
SNAKE nr Heise 2	APR-SEP	4066.5	3250.0	80	4551.0	112	1949.0	48
	APR-JUL	3464.8	2772.0	80	3881.0	112	1663.0	48
SNAKE nr Blackfoot 2	APR-SEP	5537.0	4337.0	78	6164.0	111	2510.0	45
	APR-JUL	4465.0	3480.0	78	4953.0	111	2007.0	45
PORTNEUF at Topaz	MAR-SEP	102.1	71.0	70	112.0	110	30.0	29
	MAR-JUL	82.2	58.0	71	91.0	111	25.0	30

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	LAST YEAR	** AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
ISLAND PARK	127.6	107.4	95.2	100.7	Camas-Beaver Creeks	4	28	23
GRASSY LAKE	15.2	12.7	12.7	10.7	Henrys Fork River	9	44	49
JACKSON LAKE	624.4	84.6	145.4	535.6	Teton River	4	56	55
PALISADES	1357.0	1261.4	1070.6	1016.0	Snake above Palisades	11	57	63
AMERICAN FALLS	1700.0	971.4	941.6	1141.5	Snake above Jackson Lake	8	52	56
BROWNLEE	975.3	895.0	769.2	665.4	Gros Ventre River	1	85	98
BLACKFOOT		NO REPORT			Greys River	0	0	0
HENRY'S LAKE	90.4	78.6	---	78.7	Salt River	0	0	0
RIRIE		NO REPORT			Willow Creek	9	37	46
					Blackfoot River	3	42	53
					Portneuf River	4	45	54
					Toponce Creek	0	0	0

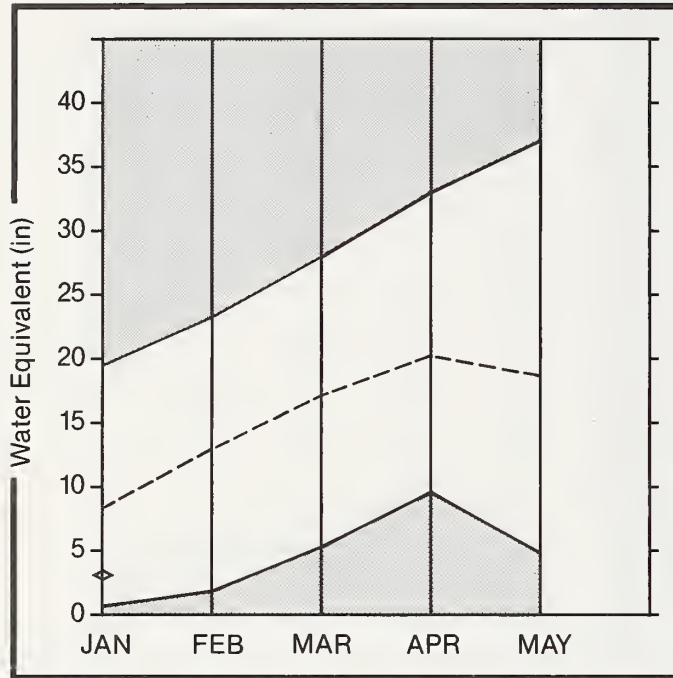
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# Southside Snake River Basin

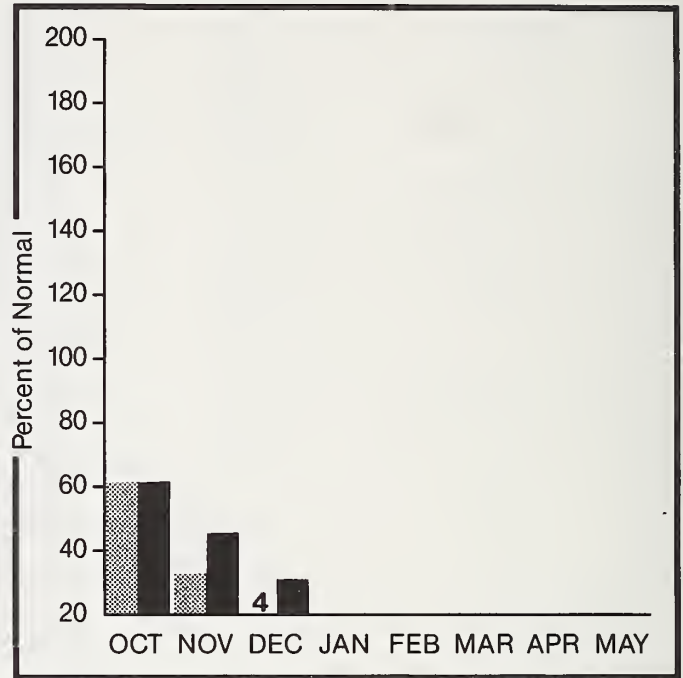
**Mountain snowpack\* (inches)**



\*Based on selected stations

Maximum Average   
Minimum Current

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

As of January 1, snowpack conditions are very low over the entire basin, ranging from 30% of average on the Salmon Falls Creek basin to 39% on the Raft River. Several lower elevation snow courses reported only a trace or no snow at all. April-July streamflows are currently forecast to be well below normal, ranging from 45% to 63% of average. Reservoir carryover storage is good to excellent, ranging from 101% of average in Oakley Reservoir to 186% in Salmon Falls Reservoir.

For more information contact your local Soil Conservation Service office.



# SOUTHSIDE SNAKE RIVER BASIN

## STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
OAKLEY RESERVOIR inflow	APR-SEP	30.2	15.1	50	27.0	89	3.0	10
	APR-JUL	27.2	14.2	52	25.0	92	3.0	11
SALMON FALLS CK nr San Jacinto	MAR-SEP	94.0	52.0	55	92.0	98	12.0	13
	MAR-JUL	89.3	48.2	54	87.0	97	10.0	11
	MAR-JUN	84.4	47.0	56	83.0	98	11.0	13
BRUNEAU nr Hot Spring	MAR-SEP	243.3	138.0	57	247.0	102	29.0	12
	MAR-JUL	231.5	127.0	55	231.0	100	23.0	10
OWYHEE RIVER nr Gold Creek 2	APR-JUL	30.4	13.7	45	36.0	118	10.0	33
OWYHEE RIVER nr Owyhee 2	APR-JUL	85.4	54.0	63	98.0	115	10.0	12
OWYHEE LAKE inflow 1	APR-SEP	376.0	230.0	61	553.0	147	6.0	2
	APR-JUL	349.0	216.0	62	516.0	148	5.0	1
OWYHEE at Rome 2	APR-JUL	376.0	229.0	61	425.0	113	33.0	9

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
OAKLEY	77.4	26.8	35.3	26.5	Raft River	1	32	39
SALMON FALLS	182.6	91.9	90.3	49.3	Goose-Trapper Creeks	1	25	33
OWYHEE	715.0	468.4	422.6	394.6	Salmon Falls Creek	8	26	31
					Bruneau River	5	31	38
					Owyhee River	6	28	40

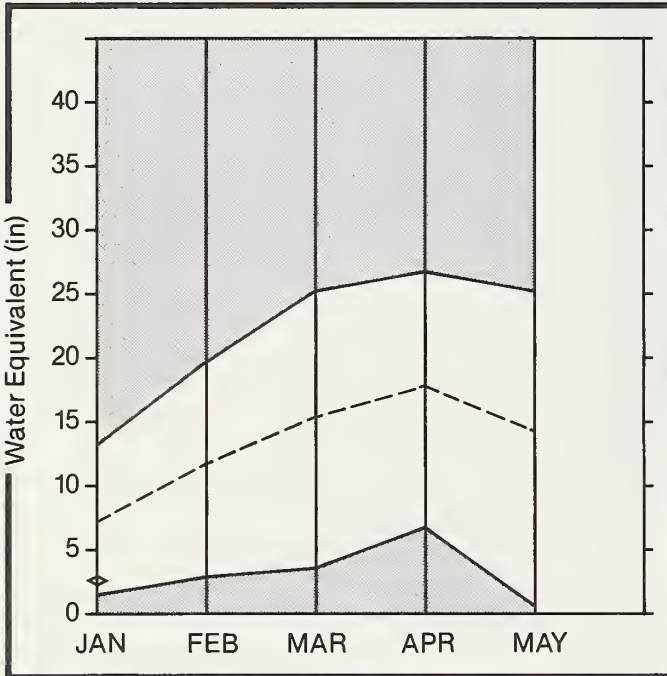
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# Great Basin

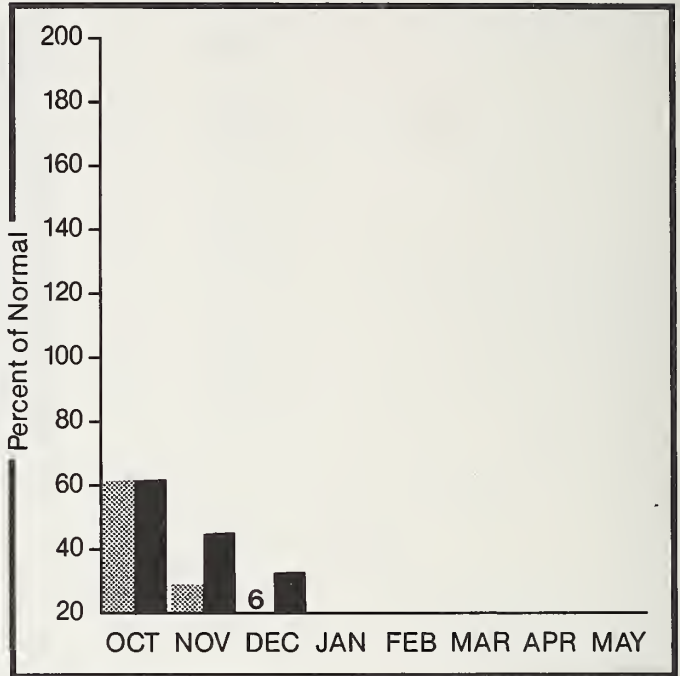
**Mountain snowpack\*** (inches)



\*Based on selected stations

Maximum Average   
Minimum Current

**Precipitation\*** (percent of normal)



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

Snowpack conditions for the Bear River and its tributaries as of January 1 are well below normal with most basins reporting between 45 and 60% of average snow accumulation. April-July seasonal volume streamflows are currently forecast to be well below normal, ranging from 58% to 64%. Above to well above normal precipitation will be needed for the remainder of the season to assure adequate water supplies for the coming irrigation season.

For more information contact your local Soil Conservation Service office.

# GREAT BASIN

## STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR at Harer	APR-SEP	310.0	180.0	58	307.0	99	75.0	24
MONTPELIER CK nr Montpelier	APR-SEP	13.9	9.0	65	15.0	108	3.0	22
CUB RIVER nr Preston	APR-SEP	51.8	33.0	64	51.0	99	15.0	29
	APR-JUL	46.8	30.0	64	46.0	98	14.0	30

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	THIS YEAR	LAST YEAR	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
BEAR LAKE	1421.0	1068.8	1073.7	987.6	Bear River (above Harer)	5	46	59
MONTPELIER CREEK	3.9	1.8	---	1.7	Montpelier Creek	5	29	42
					Mink Creek	2	37	47
					Cub River	1	44	47
					Malad River	0	0	0

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# SNOW DATA MEASUREMENTS

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85	SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
UPPER COLUMBIA BASIN							WATERSHED I						
ABOVE BURKE	4100	1/05/87	34	8.0	5.6	8.4	MOUSE CREEK	6200	12/30/87	18	4.4	4.2	7.4
ABOVE ROLAND	4350	1/01/87	---	11.0E	6.7	12.9	MOOSE CR PILLOW	6200	1/01/87	---	4.1	4.4	7.6
BEAR MOUNTAIN	5400	1/01/87	---	27.9E	--	27.5	MORGAN CREEK	7600	1/01/87	---	3.8E	5.3	6.2
BEAR MTN PILLOW	5400	1/01/87	---	26.4	12.5	28.2	MORGAN CREEK PILLOW	7600	1/01/87	---	3.6	--	5.8
BELOW ROLAND		NO REPORT					MORSE CREEK SAWMILL		NO REPORT				
BENTON MEADOW	2370	12/30/87	6	1.2	2.2	3.0	MOUNTAIN MEADOWS	6360	1/01/87	---	6.2E	--	11.0
BENTON SPRING	4920	12/30/87	26	6.4	5.1	8.6	MOUNTAIN MOWS PILLOW	6360	1/01/87	---	7.9	--	12.6
BOYER MOUNTAIN	5250	1/01/87	---	7.4E	--	10.6	NEZ PERCE PASS	6570	12/30/87	18	4.0	--	7.1
BREEZY SADDLE	5010	12/31/87	42	10.9	8.0	12.2	PERREAU MEADOWS		NO REPORT				
BUNCHGRASS MEADOWS		NO REPORT					PIERCE R.S.	3080	12/29/87	13	2.8	4.1	4.5
BUNCHGRASS MOWPILLOW		NO REPORT					REDFISH LAKE FLAT		NO REPORT				
CHILCO RIDGE		NO REPORT					ROCK FLAT SUMMIT	5310	12/28/87	17	4.0	5.2	7.6
CONIE RIDGE		NO REPORT					SAOOLE MOUNTAIN	7940	12/30/87	26	6.3	7.5	11.0
COPPER RIDGE	4820	1/01/87	---	8.4E	6.0	10.5	SAOOLE MTN PILLOW	7900	1/01/87	---	6.8	7.8	12.0
CORNER CREEK		NO REPORT					SAVAGE PASS	6170	12/31/87	33	8.4	8.0	11.3
EAST RAGGED SADDLE	3740	1/02/87	28	7.7	8.0	9.0	SAVAGE PASS PILLOW	6170	1/01/87	---	8.8	7.7	11.2
EAST TWIN		NO REPORT					SCHWARTZ LAKE		NO REPORT				
FORTY-NINE MEADOWS	4830	12/31/87	37	9.4	7.6	12.8	SECESH SUMMIT	6520	12/28/87	26	8.2	8.5	15.5
FOURTH OF JULY SUM		NO REPORT					SECESH SUMMIT PILLOW	6520	1/01/87	---	6.6	--	15.6
GRANITE PEAK		NO REPORT					SHANGHAI SUMMIT	4570	12/29/87	29	6.9	8.0	11.0
HUMBOLDT GULCH	4250	1/05/87	30	7.8	4.2	6.4	SHANGHAI SUM PILLOW	4570	1/01/87	---	7.3	.0	.0
HUMBOLDT GLCH PILLOW	4250	1/05/87	30	6.4	3.3	5.4	SHERWIN	3200	1/02/87	19	3.7	3.9	5.6
KELLOGG PEAK AM	5560	1/01/87	---	11.8E	11.3	14.4	SHERWIN PILLOW	3200	1/01/87	---	3.1	--	5.5
LOOKOUT	5140	1/05/87	50	13.6	10.5	14.5	SLAG-A-MELT LAKE	8750	1/01/87	---	10.5E	--	13.2
LOOKOUT PILLOW	5140	1/05/87	50	11.5	--	14.6	SQUAW MEADOW	5900	12/28/87	25	7.3	9.5	15.8
LOST LAKE	6110	12/31/87	65	20.2	17.2	25.2	TWIN LAKES	6510	12/29/87	38	12.0	10.1	17.1
LOST LAKE PILLOW		NO REPORT					TWIN LAKES PILLOW	6400	1/01/87	---	12.0	10.6	17.7
LOWER SANOS CREEK	3120	1/01/87	---	6.1E	6.7	7.6	TWIN PEAKS		NO REPORT				
MOSCOW MOUNTAIN		NO REPORT					VIENNA MINE	8960	12/29/87	25	6.4	14.0	15.9
MOSQUITO RIDGE	5200	1/01/87	---	12.5E	--	17.1	VIENNA MINE PILLOW	8960	1/01/87	---	6.0	--	15.9
MOSQUITO PILLOW	5200	1/01/87	---	12.0	8.7	17.0	WEST BRANCH	5560	12/30/87	21	4.1	8.2	11.2
RAGGED RIDGE	3330	12/30/87	13	2.6	4.8	3.9	WEST BRANCH PILLOW	5560	1/01/87	---	5.3	--	11.0
ROLAND SUMMIT	5120	1/01/87	---	14.0E	13.0	16.8	WILLIAMS CREEK SUM		NO REPORT				
SAGE CREEK SADDLE		NO REPORT											
SCHWEITZER BASIN	6090	12/29/87	56	18.4	13.4	22.7							
SCHWEITZER BN PILLOW	6090	1/01/87	---	19.4	--	23.8							
SCHWEITZER BOWL	4800	12/29/87	39	10.4	6.8	13.8							
SCHWEITZER RIDGE	6200	12/29/87	52	17.9	15.7	21.3							
SHERWIN	3200	1/02/87	19	3.7	3.9	5.6							
SHERWIN PILLOW	3200	1/01/87	---	3.1	--	5.5							
SKITWISH RIDGE		NO REPORT											
SMITH CREEK		NO REPORT											
SUNSET	5540	1/01/87	---	12.1E	--	14.7							
SUNSET PILLOW	5540	1/01/87	---	13.4	9.6	16.1							
TWIN SPIRIT DIVIOE	3480	1/02/87	21	4.3	6.9	--							
WEST TWIN		NO REPORT											
CLEARWATER AND SALMON BASINS							WATERSHED II						
ABOVE GILMORE		NO REPORT					ATLANTA SUMMIT	7600	12/30/87	24	5.9	12.0	15.5
ASPEN-HALL PASS AM		NO REPORT					ATLANTA SUM PILLOW	7580	1/01/87	---	6.1	--	13.3
BANNER SUMMIT	7040	1/01/87	---	6.6E	11.0	14.4	ATLANTA TOWNSITE	5370	12/29/87	11	2.5	3.6	--
BANNER SUMMIT PILLOW	7040	1/01/87	---	6.1	--	12.6	BANNER SUMMIT	7040	1/01/87	---	6.6E	11.0	14.4
BEAR BASIN	5350	12/30/87	17	3.8	6.5	8.3	BANNER SUMMIT PILLOW	7040	1/01/87	---	6.1	--	12.6
BEAR BASIN PILLOW	5350	1/01/87	---	3.5	--	8.1	BAO BEAR	4940	12/31/87	12	2.7	4.9	5.7
BIG CREEK SUMMIT	6580	1/01/87	---	9.5E	16.7	15.4	BEAR BASIN	5350	12/30/87	17	3.8	6.5	8.3
BIG CREEK SUM PILLOW	6580	1/01/87	---	8.0	--	13.2	BEAR BASIN PILLOW	5350	1/01/87	---	3.5	--	8.1
BORAH		NO REPORT					BEAR SADDLE	6180	1/01/87	---	3.8E	13.0	12.4
BOULOER CREEK	5440	12/30/87	20	3.9	9.2	10.0	BEAR SADDLE PILLOW	6180	1/01/87	---	4.1	--	12.6
BREEZY SADDLE	5010	12/31/87	42	10.9	8.0	12.2	BENNETT MOUNTAIN	6560	12/30/87	12	2.0	7.7	8.2
BRUNDAGE MOUNTAIN	7560	1/01/87	---	11.5E	11.9	20.8	BENNETT MTN PILLOW	6560	1/01/87	---	2.7	--	8.4
BRUNO CREEK	7920	1/07/87	25	5.6	--	9.1	BIG CREEK SUMMIT	6580	1/01/87	---	9.5E	16.7	15.4
BUCK MEADOWS	5650	1/06/87	37	10.5	--	--	BIG CREEK SUM PILLOW	6580	1/01/87	---	8.0	--	13.2
CAYUSE AIRSTRIP	3500	12/29/87	15	3.7	3.4	5.5	BOGUS BASIN	6340	12/30/87	16	3.5	8.7	9.9
COOL CREEK	6250	12/31/87	55	15.0	14.1	24.0	BOGUS BASIN ROAD	5540	12/30/87	0	.0	4.7	3.1
COOL CREEK PILLOW	6280	1/01/87	---	14.8	--	22.4	BOGUS BASIN ROAD	5540	12/30/87	20	3.9	9.2	10.0
COOLWATER MOUNTAIN		NO REPORT					BOULOER CREEK	5440	12/30/87	20	3.9	9.2	10.0
COPE CAMP		NO REPORT					BRUNDAGE MOUNTAIN	7560	1/01/87	---	11.5E	11.9	20.8
CRATER MEADOWS	5960	12/31/87	48	12.9	11.4	19.1	BRUNDAGE RESV PILLOW	4500	1/01/87	---	6.8	--	--
CRATER MOWS PILLOW	5960	1/01/87	---	14.2	--	19.7	CAMAS CREEK DIVIOE	5710	12/30/87	6	1.0	6.2	--
CROOKED FORK	3610	12/31/87	22	4.3	3.5	5.2	CAMAS CREEK	6400	12/30/87	0	.0	5.3	7.5
DEADWOOD SUMMIT	6860	12/29/87	29	8.1	12.4	21.2	CHIMNEY CREEK	6840	12/30/87	8	1.0	5.1	8.0
DEADWOOD SUM PILLOW	6860	1/01/87	---	8.8	--	23.0	COUCH SUMMIT	6840	12/30/87	8	1.0	5.1	8.0
DOUBLE SPGS PASS AM		NO REPORT					COZY COVE	5380	12/29/87	10	2.1	3.8	7.2
ELK BUTTE	5550	12/31/87	35	9.2	9.5	15.6	COZY COVE PILLOW	5380	1/01/87	---	2.4	--	10.7
ELK BUTTE PILLOW	5550	1/01/87	---	11.3	--	17.6	CRAWFORD R.S.	4860	1/03/87	10	2.0	--	3.1
FISH LAKE AIRSTRIP	5650	12/29/87	44	11.7	9.2	17.3	DEADMAN GULCH	5600	1/03/87	15	3.8	6.2	7.7
FORTY-NINE MEADOWS	4830	12/31/87	37	9.4	7.6	12.8	DEADWOOD AIRSTRIP	5360	1/01/87	---	2.4E	4.4	7.0
GALENA SUMMIT	8780	12/30/87	18	3.5	9.0	11.0	DEADWOOD SUMMIT	6860	12/29/87	29	8.1	12.4	21.2
GALENA SUMMIT PILLOW	8780	1/01/87	---	3.1	--	8.9	DEADWOOD SUM PILLOW	6860	1/01/87	---	8.8	--	23.0
GIBBONS PASS	7100	12/30/87	23	5.2	6.0	9.7	DOLLARHIDE SUMMIT	8420	12/29/87	14	3.4	9.3	11.5
GOAT LAKE		NO REPORT					DOLLARHIDE SM PILLOW	8420	1/01/87	---	4.0	--	11.6
GRANITE PEAK		NO REPORT					GRAHAM GUARO STATION	5690	12/29/87	13	3.1	4.3	7.1
HALL CREEK		NO REPORT					GRAHAM G.S. PILLOW	5690	1/01/87	---	2.8	--	7.8
HEMLOCK BUTTE	5810	12/29/87	48	13.8	11.9	21.4	IDAHO CITY TOWNSITE	4000	12/31/87	0	.0	2.1	2.7
HEMLOCK BUTTE PILLOW	5810	1/01/87	---	14.1	--	19.5	JACKSON PEAK	7070	12/29/87	22	5.8	11.4	14.6
HOODOO BASIN	6050	12/28/87	56	17.8	16.7	21.5	JACKSON PEAK PILLOW	7070	1/01/87	---	7.0	--	12.9
HOODOO BASIN PILLOW	6050	1/01/87	---	15.1	13.8	20.3	LAKE FORK	5290	12/28/87	15	3.8	4.7	7.1
HOODOO CREEK	5900	12/28/87	48	14.6	12.6	19.1							



# SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85	SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST BASINS							WATERSHED 1V						
BEAR CANYON	7900	1/01/87	---	.8E	6.6	8.3	INDIAN MEADOWS	9420	12/31/87	32	8.9	--	--
BEAR CANYON PILLOW	7900	1/01/87	---	.8	--	7.8	IRVING CREEK		NO REPORT				
BENNETT MOUNTAIN	6560	12/30/87	12	2.0	7.7	8.2	ISLAND PARK	6290	12/30/87	12	3.0	7.3	6.8
BENNETT MOUNTAIN PILLOW	6560	1/01/87	---	2.7	--	8.4	ISLAND PARK PILLOW	6290	1/01/87	---	1.9	6.8	6.6
CAMAS CREEK DIVIDE	5710	12/30/87	6	1.0	6.2	--	JACKPINE CREEK	7350	12/31/87	18	4.6	--	--
CHIMNEY CREEK	6400	12/30/87	0	.0	5.3	7.5	JOHNSON CREEK		NO REPORT				
COPPER BASIN	7640	1/01/87	---	.5E	3.2	3.3	KILGORE	6320	12/29/87	9	1.5	6.0	4.7
COUCH SUMMIT	6840	12/30/87	8	1.0	5.1	8.0	LATHAM SPRINGS		NO REPORT				
DOLLARHIDE SUMMIT	8420	12/29/87	14	3.4	9.3	11.5	LAVA CREEK	7350	12/31/87	14	3.1	7.8	6.5
DOLLARHIDE SM PILLOW	8420	1/01/87	---	4.0	--	11.6	LEWIS LAKE DIVIDE	7850	12/30/87	36	9.5	19.9	17.8
DRY FORK		NO REPORT					LOWER PEBBLE	5780	1/01/87	---	2.7E	6.9	5.3
FAIRVIEW G.S.		NO REPORT					LUCKY OGG		NO REPORT				
FISHPOLE LAKE		NO REPORT					MAISON PLATEAU	7750	12/29/87	22	5.0	10.6	9.3
GALENA	7440	1/01/87	---	2.5E	6.8	8.4	MC RENOLDS RESERVOIR	6720	12/31/87	15	3.2	6.7	8.0
GALENA PILLOW	7440	1/01/87	---	3.2	--	8.3	MINK CREEK	6410	1/01/87	---	4.5E	9.6	8.5
GALENA NEW	7470	12/30/87	15	2.2	7.2	8.8	MORAN	6750	12/31/87	20	4.6	6.0	5.5
GALENA SUMMIT	8780	12/30/87	18	3.5	9.0	11.0	MUD CREEK	7100	12/31/87	19	5.1	9.3	7.9
GALENA SUMMIT PILLOW	8780	1/01/87	---	3.1	--	8.9	NORTH PUTNAM	7240	12/31/87	20	5.4	10.0	--
GARFIELD R.S.	6560	12/29/87	0	.0	4.2	4.5	PACKSADOLE SPRING	8200	12/31/87	22	6.0	12.7	12.4
GARFIELD R.S. PILLOW	6560	1/01/87	0	.0	--	4.2	PEBBLE CREEK	6550	1/01/87	---	2.8E	8.1	7.3
GRAHAM RANCH	6270	12/30/87	8	1.3	5.0	6.0	PHILLIPS BENCH	8200	1/01/87	---	8.6E	--	14.8
HILTS CREEK	8000	12/29/87	8	1.5	4.0	5.4	PHILLIPS BENCH PILL.	8200	1/01/87	---	7.8	14.2	13.0
HILTS CREEK PILLOW	8000	1/01/87	---	1.6	--	6.3	PINE CREEK PASS	6810	12/31/87	16	3.8	7.0	7.2
HYNOMAN CREEK	7440	1/01/87	---	1.4E	5.7	6.8	POISON MEADOWS	8500	1/01/87	---	10.4E	--	--
HYNOMAN PILLOW	7440	1/01/87	---	1.0	--	5.4	PUTNAM		NO REPORT				
IRON BOG		NO REPORT					SALT RIVER SUMMIT	7700	1/01/87	---	3.0E	--	6.5
IRON MINE CREEK		NO REPORT					SALT RIVER PILLOW	7700	1/01/87	---	2.5	7.3	6.5
LEA BELT		NO REPORT					SAWTELL MOUNTAIN	8720	12/30/87	25	6.9	17.9	14.6
LEATHERMAN PASS		NO REPORT					SEGEWICK PEAK		NO REPORT				
LITTLE CAMAS FLAT	4940	12/30/87	0	.0	4.9	3.2	SHEEP MOUNTAIN	6570	12/31/87	9	1.8	6.4	4.9
LOST GARFIELD		NO REPORT					SHEEP MTN PILLOW	6570	1/01/87	---	2.5	--	5.8
LOST-WOOD DIVIDE	7900	1/01/87	---	2.8E	9.0	10.1	SLUG CREEK DIVIDE	7230	1/01/87	---	3.8E	8.3	6.9
LOST-WOOD OVO PILLOW	7900	1/01/87	---	2.5	--	10.1	SLUG CK OVO PILLOW	7230	1/01/87	---	4.0	.0	.0
MASCOT MINE	7780	1/01/87	---	1.4E	5.8	7.0	SNAKE RIVER STATION	6920	12/30/87	24	4.8	8.7	8.6
MOONSHINE	7440	12/29/87	10	2.1	3.3	4.8	SNOW KING MTN	7660	12/31/87	20	5.0	--	6.6
MOONSHINE PILLOW	7440	1/01/87	---	3.3	--	4.6	SOMSEN RANCH	6840	1/01/87	---	3.5E	7.8	6.3
MOUNT BALDY	8920	1/01/87	---	2.8E	6.8	9.3	SOMSEN RANCH PILLOW	6800	1/01/87	---	3.8	--	5.1
MULDOON	6320	12/29/87	0	.0	3.0	3.4	SPRING CRK. PILLOW	9000	1/01/87	---	8.6	15.7	10.9
SAWMILL CANYON	7000	12/29/87	10	1.5	2.9	3.8	STATE LINE	6660	12/31/87	21	5.5	6.6	6.2
SOLOIER R.S.	5740	12/30/87	0	.0	5.4	5.5	SULPHUR PEAK		NO REPORT				
SOLOIER R.S. PILLOW	4330	1/01/87	---	.2	--	--	TARGHEE PASS		NO REPORT				
STICKNEY MILL	7430	1/01/87	---	1.5E	2.6	4.1	TETON PASS W.S.		NO REPORT				
STICKNEY MILL PILLOW	7430	1/01/87	---	1.3	.0	.0	TEX CREEK	6650	1/01/87	---	1.3E	5.1	5.0
SWEDE PEAK	7640	12/29/87	5	.8	5.6	8.1	THUMB DIVIDE	7980	12/30/87	22	4.9	9.7	8.7
SWEDE PEAK PILLOW	7640	1/01/87	---	.3	.0	.0	TOGWOTEE PASS	9580	12/31/87	43	12.6	14.9	12.8
TELFER RANCH		NO REPORT					TOGWOTEE PASS PILLOW	9580	1/01/87	---	11.3	12.0	11.0
VIENNA MINE	8960	12/29/87	25	6.4	14.0	15.9	TOPONCE		NO REPORT				
VIENNA MINE PILLOW	8960	1/01/87	---	6.0	--	15.9	TURPIN MEADOWS		NO REPORT				
WET CREEK SUMMIT	7680	12/29/87	5	.9	3.7	4.8	TWITCHELL CANYON	6300	12/31/87	16	4.7	8.0	5.8
WILLOW, BLACKFOOT, UPPER SNAKE AND PORTNEUF BASINS							WATERSHED V						
AFTON RANGER STATION		NO REPORT					TWO OCEAN PLATEAU AM		NO REPORT				
ALLEN RANCH		NO REPORT					TWO OCEAN PILLOW	9160	1/01/87	---	10.9	14.4	13.3
ARIZONA	6820	1/01/87	---	4.3E	9.2	7.9	VALLEY VIEW	6680	12/30/87	11	2.3	6.2	6.4
ASPEN GROVE	6500	1/01/87	---	2.1E	6.8	--	WEBBER CREEK		NO REPORT				
ASTER CREEK	7750	12/30/87	30	7.6	14.7	13.1	WHISKEY CREEK	6800	12/29/87	18	4.3	10.2	7.7
AUSTIN BROTHERS RNCH		NO REPORT					WHITE ELEPHANT	7710	12/30/87	18	4.1	10.4	10.1
BASE CAMP	7030	12/31/87	26	7.6	--	8.7	WHITE ELEPHANT PILL	7710	1/01/87	---	5.1	13.3	11.2
BASE CAMP PILLOW	7030	1/01/87	---	7.0	7.2	7.8	WILHORSE DIVIDE	6490	1/01/87	---	4.1E	--	7.8
BEAVERDAM CREEK		NO REPORT					WILHORSE OVO PILLOW	6490	1/01/87	---	3.4	.0	.0
BIG SPRINGS	6400	12/30/87	16	3.8	8.6	8.3	WILLOW CREEK	8450	1/01/87	---	7.5E	--	--
BIRCH CREEK	6800	12/31/87	11	2.4	5.2	4.0	WILLOW CRK PILLOW	8450	1/01/87	---	6.5	13.3	12.5
BLACK BEAR	7950	12/29/87	32	8.4	18.2	17.6	WOOD CANYON DIVIDE		NO REPORT				
BLACK CANYON		NO REPORT					SOUTHSIDE SNAKE BASIN						
BLACK MOOSE		NO REPORT					ANTELOPE RIDGE	6180	12/29/87	2	.6	4.6	--
BLACKROCK	8900	1/01/87	---	9.2E	--	8.0	BAOGER GULCH	6660	1/01/87	---	1.6E	6.4	4.8
BLIND BULL SUMM AM	8650	1/01/87	---	8.4E	--	11.7	BATTLE CREEK		NO REPORT				
BLIND BULL PILLOW	8650	1/01/87	---	9.6	16.4	12.5	BEAR CREEK	7800	1/01/87	---	2.3E	9.1	8.9
BLUE LEGGE MINE	6900	12/29/87	10	1.9	6.0	8.1	BEAR CK SNOTEL	7800	1/01/87	---	2.35	7.7	7.9
BLUE RIDGE	6780	12/31/87	15	3.6	9.5	7.3	BIG BEND	6700	12/30/87	5	.9E	5.8	3.9
BONE	6200	12/31/87	0	.0	3.9	2.8	BOSTETTER R.S.	7500	1/01/87	---	3.1E	--	9.4
BROCKMAN STATION	6430	12/31/87	11	2.5	6.1	4.2	BOSTETTER R.S. PILLOW	7500	1/01/87	---	2.6	--	7.6
BRYAN FLAT		NO REPORT					BOY SCOUT CAMP		NO REPORT				
CAMP CREEK	6580	12/24/87	8	1.2	4.0	4.4	BULL BASIN		NO REPORT				
CCC CAMP		NO REPORT					CEGAR CREEK		NO REPORT				
COTTONWOOD LAKE AM		NO REPORT					CEGAR CREEK MEADOWS	9420	1/01/87	---	3.8E	--	8.5
COTTONWOOD CR PILLOW	7600	1/01/87	---	6.7	--	--	COLUMBIA BASIN	6650	1/01/87	---	.0E	--	.4
COULTER CREEK	7020	1/01/87	---	5.8E	--	9.7	DEADLINE	7400	12/27/87	11	2.5	11.2	9.4
COULTER CREEK PILLOW	7020	1/01/87	---	4.5	8.4	10.5	DEADLINE SOUTH	7450	12/27/87	13	2.8	13.8	10.7
COLO SPRINGS		NO REPORT					FAWN CREEK		NO REPORT				
CRAB CREEK	6860	12/29/87	8	1.2	5.0	7.5	FOX CREEK	6800	1/01/87	---	3.3E	--	4.6
CRAB CREEK PILLOW	6860	1/01/87	---	1.1	5.4	7.9	FRY CANYON	6700	1/01/87	---	2.4E	--	3.4
CARRY CANYON	8250	12/31/87	30	8.6	--	9.7	GEORGE CREEK		NO REPORT				
DEMPSEY CREEK		NO REPORT					GOAT CREEK	8800	1/01/87	---	3.3E	8.5	7.4
EAST CREEK		NO REPORT					GOLD CREEK	6600	1/01/87	---	.6E	--	2.5
EAST RIM DIVIDE	7930	1/01/87	---	4.0E	6.4	5.6	HOWELL CANYON	7980	1/01/87	---	4.5E	14.1	11.6
EAST RIM PILLOW	7930	1/01/87	---	4.5	--	7.2	HOWELL CANYON PILLOW	7980	1/01/87	---	3.5	--	8.5
ELBO RANCH		NO REPORT					HUMMINGBIRD SPRINGS	8950	1/01/87	---	4.4E	--	10.3
FALL CREEK	6820	12/31/87	8	1.8	5.0	3.9	HYOE PASTURE		NO REPORT				
FOUR MILE MEADOWS		NO REPORT					INDIAN GROVE		NO REPORT				
FREDS MOUNTAIN		NO REPORT					JACK CREEK, LOWER	6800	1/01/87	---	.8E	--	1.1
GLADE CREEK	7040	12/30/87	28	5.8	10.3	8.8	JACK CREEK, UPPER	7250	1/01/87	---	1.9E	--	2.9
GRASSY LAKE	7270	12/30/87	34	8.8	16.4	15.1	JACK CREEK #2, UPPER		NO REPORT				
GRASSY LAKE PILLOW	7270	1/01/87	---	9.3	14.9	15.8	JACKS PEAK	8420	1/01/87	---	4.4E	--	8.2
GREYS BOUNDARY		NO REPORT					JOHNSTON POND		NO REPORT				
GROS VENTRE SUMMIT	8750	1/01/87	---	3.4E	--	5.8	LANGFORD FLAT CREEK	5980	12/27/87	0	.0	4.7	2.6
GROS VENTRE PILLOW	8750	1/01/87	---	3.2	10.0	6.6	LAUREL DRAV	6700	1/01/87	---	3.3E	6.9	3.7
GROVER PARK DIVIDE		NO REPORT					LOGGER SPRINGS		NO REPORT				
HUCKLEBERRY DIVIDE	7300	12/31/87	27	5.3	10.1	9.5	LOOKOUT BUTTE	5650	1/01/87	---	.0E	--	.0
							LOUSE CANYON		NO REPORT				

# SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
<hr/>						
MAGIC MOUNTAIN	6880	12/27/87	12	2.7	9.2	8.2
MAGIC MTN PILLOW	6880	1/01/87	---	3.0	--	8.2
MERRIT MOUNTAIN AM	7000	1/01/87	---	.0E	--	--
MUD FLAT	5730	1/01/87	5	1.5	5.9	3.1
MUD FLAT PILLOW	5730	1/01/87	---	.0	--	2.3
ONE MILE SUMMIT		NO REPORT				
OREGON CANYON AM		NO REPORT				
O'NEIL CREEK		NO REPORT				
POLE CREEK R.S.	8330	1/01/87	---	4.2E	8.7	8.6
QUINN RIDGE AM	6300	1/01/87	0	.0E	--	.9
RED CANYON AM	6650	1/01/87	---	1.2E	--	2.4
RODEO FLAT		NO REPORT				
SEVENTYSIX CREEK	7100	1/01/87	---	3.0E	--	6.3
SEVENTYSIX CK SNOTEL		NO REPORT				
SHOSHONE BASIN	5810	1/01/87	---	.2E	3.3	3.0
SILVER CITY	6400	1/01/87	---	3.8E	--	7.2
SOUTH MOUNTAIN	6500	12/29/87	9	3.0	9.4	6.3
SOUTH MTN PILLOW	6500	1/01/87	---	2.2	--	5.5
SUBLETT		NO REPORT				
SUCCOR CREEK AM	6100	1/01/87	---	1.3E	--	2.7
TAYLOR CANYON	6200	12/30/87	4	.5E	4.7	2.5
TOE JAM AM		NO REPORT				
VAUGHT RANCH AM		NO REPORT				
VIPONT		NO REPORT				
WAR EAGLE		NO REPORT				
WILSON CREEK		NO REPORT				
GREAT BASIN			WATERSHED VII			
BURT'S-MILLER RANCH	7900	12/29/87	8	2.0	3.6	2.4
CHRISTENSEN RANCH		NO REPORT				
CLIFF CANYON		NO REPORT				
CUB RIVER R.S.	5450	12/29/87	5	.7	--	4.1
DANIELS CREEK		NO REPORT				
DRY BASIN		NO REPORT				
DRY BREAD POND	8350	12/29/87	11	2.6	7.8	8.5
DRY CREEK FLAT		NO REPORT				
EMIGRANT SUMMIT	7390	1/02/87	24	4.8	13.1	10.2
EMIGRANT SUM PILLOW	7390	1/01/87	---	3.6	--	11.3
EMIGRATION CANYON	6500	1/02/87	13	2.0	6.2	--
FRANKLIN BASIN	8020	12/29/87	17	4.8	11.0	10.2
FRANKLIN BSN PILLOW	8040	12/29/87	22	5.9	--	11.4
GARDEN CITY SUMMIT	7600	12/29/87	9	1.9	9.8	7.6
GIVEOUT	6860	1/01/87	---	1.4E	7.9	5.2
GIVEOUT PILLOW	6840	1/01/87	---	1.1	--	5.0
GIVEOUT NEW	6930	1/01/87	---	1.2E	--	4.4
HAYDEN FORK	9400	12/29/87	16	3.8	7.1	6.2
HORSESHOE BASIN		NO REPORT				
KELLEY RANGER STA.	8180	1/01/87	---	4.0E	--	8.4
KELLEY R.S. PILLOW	8180	1/01/87	---	3.5	9.8	7.2
LIBERTY SPRING	8600	1/01/87	---	4.2E	--	15.6
LITTLE BEAVER	6790	1/01/87	---	1.7E	9.7	6.1
LOWER ELKHORN		NO REPORT				
LOWER HOME CANYON	7640	1/01/87	---	3.3E	8.0	5.7
MORTE CRISTO R.S.	8960	12/29/87	20	4.6	11.2	9.6
MONTPELIER CREEK	6540	1/01/87	---	.9E	5.3	3.5
OXFORD MOUNTAIN	6800	1/01/87	---	.0E	--	--
OXFORD SPRING		NO REPORT				
OXFORD SPRING PILLOW	6740	1/01/87	---	.0	--	4.3
SLUG CREEK DIVIDE	7230	1/01/87	---	3.8E	8.3	6.9
SLUG CK DVD PILLOW	7230	1/01/87	---	4.0	.0	.0
STILLWATER CAMP	8550	12/30/87	12	2.8	5.5	4.4
STRAWBERRY CREEK	5820	1/02/87	13	1.7	7.4	--
STRAWBERRY-MINK DVD	6720	1/01/87	---	4.4E	12.0	9.4
UPPER ELKHORN		NO REPORT				
UPPER HOME CANYON	8560	1/01/87	---	5.3E	11.9	9.2
WHISKEY FLAT		NO REPORT				
WILLOW FLAT	6070	12/29/87	9	2.1	--	6.9
WOOD CANYON DIVIDE		NO REPORT				
WORM CREEK		NO REPORT				

# The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

## State

Idaho Department of Water Resources  
Soil and Water Conservation Districts of Idaho

## Federal

U.S. Department of Agriculture  
Forest Service  
U.S. Department of Army  
Corps of Engineers  
U.S. Department of Commerce  
NOAA, National Weather Service  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey, Water Resources Division  
Shoshone-Bannock Tribal Council

## Local

Big Lost River Irrigation District  
Big Wood Irrigation Company  
Boise Project Board of Control  
Idaho Water District #01  
Lewiston Orchards Irrigation District  
Little Wood River Irrigation District  
North Board of Control — Owyhee Project  
Salmon Falls Irrigation Company  
South Board of Control — Owyhee Project

## Private

Cyprus Mining Company  
FMC Corporation  
Idaho Power Company  
Le Bois Resort  
Washington Water Power Company

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.



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